
INDIANA COMMISSION ON PROPRIETARY EDUCATION

Board of Commissioners Meeting Memorandum

Date: August 18, 2006

From: Rebecca Carter, Director of Regulatory Compliance

**Subject: EMBRY RIDDLE AERONAUTICAL UNIVERSITY
BACHELOR OF SCIENCE & MASTER DEGREE PROGRAMS**

Staff Recommendation

The commission staff recommends that Embry Riddle Aeronautical University be granted the authority to award the Bachelor of Science degree and a Master's degree in the following programs:

**BS – Technical Management – Logistics Specialty
BS – Technical Management – Occupational Safety & Health Specialty
BS – Technical Management – Professional Valuations Specialty
BS – Aviation Maintenance Management
MS – Management**

Background Information

Embry Riddle Aeronautical University is accredited by the Southern Association of College and Schools (SACS).

The bachelor of science programs consists of 120 or 126 semester-credit hours of training.

The master's degree program consists of 36 semester-credit hours of training.

Supportive Documentation

1. Degree Applications
2. Instructor Qualification Record Forms

INDIANA COMMISSION ON
PROPRIETARY EDUCATION

DEGREE APPLICATION

(New or Renewal program)

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution Embry-Riddle Aeronautical University

Name of Program Bachelor of Science in Technical Management- Logistics Specialty

Level of Degree (AAS, AS, AA, BAS, BA, BS, MBA, MAS, MA, MS, Ph.D.) BS

Name of Person Preparing this Form Ashley M. Bischoff

Telephone Number (317) 487-6281 Application Type

Date the Form was Prepared July 6, 2006 ☒ New ☐ Renewal

I. PROGRAM OBJECTIVES: Describe what the program is designed to achieve and explain how it is structured in order to accomplish the objectives.

The BSTM Logistics Specialty degree program is specifically designed to prepare students for a career in Logistics. In conjunction with the Technical Management degree curriculum, this program gives students a foundation for supervising or managing the procurement, maintenance, and transportation of material, personnel, equipment, and facilities. To earn the BSTM with the Logistics specialty, students degree-seeking students must complete the management electives, as listed in the catalog, and satisfy the Logistics Technical Specialty and upper-level open elective requirements as specified. Graduates of this program find new opportunities in diverse fields such as public administration, aviation/aerospace, military logistics and public or private transportation.

II. PROGRAM STRUCTURE: List all courses in the program. Indicate course name, number, and number of credit hours or clock hours for each course.

NAME OF PROGRAM: BSTM- Logistics Specialty

TOTAL COURSE HOURS: 120 Check one: Quarter Hours ☐ ☒ Semester Hours

Semester Hours ☐

Clock Hours

LENGTH OF PROGRAM: 9 week terms TUITION: \$184/hr, \$552/class

SPECIALTY COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
ECON 315	Managerial Economics	3
ECON 420	Economics of Air Transportation	3
MGMT 308	Public Administration	3
MGMT 321	Aviation/Aerospace Systems Analysis Methods	3
MGMT 331	Transportation Principles	3
MGMT 332	Corporate Finance I	3
MGMT 410	Managemet of Air Cargo	3
MGMT 411	Logistics Management for Aviation/Aerospace	3
MGMT 422	Life Cycle Analysis for Systems & Programs in Aviation/Aerospace	3
MGMT 440	Advanced Professional Logistics	3
MGMT 449	Strategic Marketing Management	3
	Logistics Technical Specialty	15
	Choose five courses from the above list	

SPECIALTY COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Business Core Classes	33
	Management Electives	12
	Open Electives (Upper-Level)	9
	Open Electives (Lower-Level)	9
	Program Support	6
	***See Attachment A for additional program requirements	
	and courses list	

GENERAL EDUCATION / LIBERAL ARTS COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Communication Theory and Skills	6
ENGL 123	English Composition	3
	Mathematics	6
	Computer Science	3
	Physical and Life Sciences	6
	Humanities- Lower-level course	3
	Social Sciences- Lower-level course	3
ECON 210	Microeconomics	3
	Humanities/Social Science- Upper-level	3
	Total General Education	36

Number of Credit/Clock Hrs. in Specialty: 15 / 120 Percentage: 12.5%
Number of Credit/Clock Hrs. in General Courses: 36 / 120 Percentage: 30%

If applicable:

Number of Credit/Clock Hrs. in Liberal Arts: / Percentage:

III. LIBRARY: Please provide information pertaining to the library located in your institution.

1. Location of library; Hours of student access; Part-time, full-time librarian/staff:

Jack R. Hunt Library located in Daytona Beach, FL on the Daytona Beach Campus of Embry-Riddle Aeronautical University is available to all Extended Campus Centers on-line. Members of the Embry-Riddle Aeronautical University community have access to the library and staff 24 hours a day, seven days a week. The Hunt Library has 18 full-time librarians and 18 full time staff members.

2. Number of volumes of professional material:

The Hunt Library holds approximately 97,000 volumes.

3. Number of professional periodicals subscribed to:

The Hunt Library subscribes to over 850 current periodicals in print, and another 5000+ titles are available through the library's electronic subscriptions

4. Other library facilities in close geographical proximity for student access:

INDIANAPOLIS-MARION COUNTY PUBLIC LIBRARY

<http://www.imcpl.lib.in.us>

Visit <http://www.imcpl.org/about/locations/index.html> for a listing of locations

If you have any questions pertaining to the required standards for degree granting approval, please refer to 570 IAC 10.

Doc.: degreappform.doc

**** Include all required documentation pertaining to the qualifications of each instructor.**

Total # of Faculty in the Program: 13 **Full-time:** **Part-time:** 13

Fill out form below: (PLEASE LIST NAMES IN ALPHABETICAL ORDER.)

[illegible]

Bachelor of Science in Technical Management – *Specializations*

Logistics Specialty

As business become more complex and increasingly global, the need for logistics specialists increases as well. Embry-Riddle Aeronautical University's Logistics Specialty program is specifically designed to prepare students for a career in the burgeoning field. In conjunction with the Technical Management degree curriculum, this program gives students a foundation for supervising or managing the procurement, maintenance and transportation of material, personnel, equipment and facilities.

To earn the Technical Management degree with the Logistics Specialization, degree-seeking students must complete the management electives and satisfy the Logistics Technical Specialty and upper-level open elective requirements as listed below. Graduates of this program find new opportunities in diverse fields such as public administration, aviation/aerospace, military logistics and public or private transportation.

Requirements:

Course:	Title:	Credits:
MGMT 308	Public Administration	3
MGMT 321	Aviation/Aerospace Systems Analysis Methods	3
MGMT 331	Transportation Principles	3
MGMT 332	Corporate Finance I	3
MGMT 410	Management of Air Cargo	3
MGMT 411	Logistics Management for Aviation / Aerospace	3
MGMT 422	Life Cycle Analysis for Systems & Programs in Aviation/Aerospace	3
MGMT 440	Advanced Professional Logistics	3
MGMT 449	Strategic Marketing Management	3
ECON 315	Managerial Economics	3
ECON 420	Economics of Air Transportation	3
Logistics Technical Specialty		15

General Education*:

Communication Theory and Skills	9
Mathematics	6
Computer Science	3
Physical and Life Sciences	6
Humanities – Lower-level courses	3
Social Sciences – Lower-level courses	3
ECON 210 Microeconomics	3
Humanities/Social Science – Upper-level	3
Total Credits	36

***Embry-Riddle courses in the general education categories of Communication Theory and Skills, and Humanities and Social Sciences may be chosen from those listed above, assuming prerequisite requirements are met. Courses from other institutions are acceptable if they fall into these broad categories and are at the level specified.**

Program Support:

Course:	Title:	Credits:
ECON 211	Macroeconomics	3
MATH 211	Statistics with Aviation Applications or	
MATH 222	Business Statistics	3
Total Credits:		6

Business Core:

Course:	Title:	Credits:
MGMT 201	Principles of Management	3
MGMT 210	Financial Accounting	3
MGMT 221	Advanced Computer Based Systems	3
MGMT 311	Marketing	3
MGMT 312	Managerial Accounting	3
MGMT 314	Human Resource Management	3
MGMT 317	Organizational Behavior	3
MGMT 320	Business Information Systems	3
MGMT 325	Social Responsibility and Ethics in Management	3

MGMT 335	International Business	3
MGMT 390	Business Law	3

Total Credits: 33

Management Electives:

Course:	Title:	Credits:
MGMT 406	Strategic Management of Technical Operations	3
ASCI 419	Aviation Maintenance Management	3
MGMT 420	The Management of Production and Operations	3
MGMT 424	Project Management in Aviation Operations	3

Total Credits: 12

Open Electives (Upper-Level): 9

300-400 Level Courses

Open Electives (Lower-Level) 9

Total Degree Requirements: 120

BSTM- Logistics Courses

Credits

Communication Theory & Skills

ENGL 123	English Composition	3
ENGL 143	Studies in Rhetorical Theory	3
ENGL 221	Technical Report Writing	3
ENGL 222	Business Communication	3
ENGL 335	Creative Writing	3

Mathematics

MATH 005	Quantitative Skills	3
MATH 006	Intermediate Algebra	3
MATH 106	Basic Algebra and Trigonometry	3
MATH 111	College Mathematics for Aviation I	3
MATH 112	College Mathematics for Aviation II	3
MATH 120	Quantitative Methods I	3
MATH 140	College Algebra	3
MATH 142	Trigonometry	3
MATH 145	College Algebra and Trigonometry	3
MATH 220	Quantitative Methods II	3
MATH 250	Calculus and Analytic Geometry I	3
MATH 251	Calculus and Analytic Geometry II	3
MATH 252	Calculus and Analytic Geometry III	3
MATH 253	Calculus and Analytic Geometry IV	3
MATH 320	Decision Math	3
MATH 345	Differential Equations and Matrix Methods	

Computer Science

CSCI 109	Introduction to Computers and Applications	3
CSCI 210	Scientific Programming	3
CSCI 299, 399, 499	Special topics in Computer Science	1-6

Physical and Life Sciences

BIOL 107	Elements of Biological Science	3
PHYS 102	Explorations in Physics	3
PHYS 142	Introduction to Environmental Science	3
PHYS 150	Physics I for Engineers	3
PHYS 160	Physics II for Engineers	3
PHYS 201	Meteorology	3

PHYS 250	Physics III for Engineers	3
PHYS 301	Astronomy	3
PHYS 302	Evolution of Scientific Thought	3
PHYS 304	Environmental Science	3
PHYS 352	Meteorology II	3
PHYS 199, 299, 399, 499	Special topics in Physical Science	1-4

Humanities

HUMN 140	Western Humanities I: Antiquity and the Middle Ages	3
HUMN 141	Western Humanities II: Renaissance to Postmodern	3
HUMN 142	Studies in Literature	3
HUMN 300	World Literature	3
HUMN 310	American Literature	3
HUMN 325	Exploring Film	3
HUMN 330	Values and Ethics	3
HUMN 299, 399, 499	Special Topics in Humanities	1-6

Social Sciences

ECON 399, 499	Special Topics in Economics	1-4
GOVT 320	American National Government	3
GOVT 325	International Studies	3
GOVT 331	Current Issues in America	3
GOVT 340	American Foreign Policy	3
GOVT 363	Inter-American Relations	3
GOVT 401	American Constitutional Law	3
GOVT 402	International Politics	3
HIST 110	World History	3
HIST 130	History of Aviation in America	3
HIST302	Evolution of Scientific Thought	3
HIST 305	American Military History	3
PSYC 220	Introduction to Psychology	3
PSYC 320	Aviation Psychology	3
PSYC 350	Social Psychology	3
PSYC 400	Introduction to Cognitive Science	3
SOCI 210	Introduction to Sociology	3
SOCI 300	Marriage and Family	3
SOCI 310	Personality Development	3
SOCI 299, 399,499	Special Topics in the Social Sciences	1-6

INDIANA COMMISSION ON
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DEGREE APPLICATION

(New or Renewal program)

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution Embry-Riddle Aeronautical University

Name of Program BS Technical Management Occupational Safety & Health Specialty

Level of Degree (AAS, AS, AA, BAS, BA, BS, MBA, MAS, MA, MS, Ph.D.) BS

Name of Person Preparing this Form Ashley M. Bischoff

Telephone Number (317) 487-6281 Application Type

Date the Form was Prepared July 6, 2006 ☒ New ☐ Renewal

I. PROGRAM OBJECTIVES: Describe what the program is designed to achieve and explain how it is structured in order to accomplish the objectives.

The BSTM Occupational Safety and Health Specialty degree program was developed to prepare students for supervisory or management positions relating to occupational safety and health in environmental compliance, ergonomics, industrial hygiene and toxicology, construction, fire protection and systems design. This program is geared toward students who are seeking new opportunities in the public or private sector such as service or manufacturing industries, local, state, or federal agencies, and the military. To earn the Technical Management degree with an Occupational Safety and Health Specialization, degree-seeking students must complete the program support, business core and management electives

II. PROGRAM STRUCTURE: List all courses in the program. Indicate course name, number, and number of credit hours or clock hours for each course.

NAME OF PROGRAM: BSTM- Occupational Safety & Health Specialty

TOTAL COURSE HOURS: 120 Check one: Quarter Hours ☐ ☒ Semester Hours

Semester Hours ☐

Clock Hours

LENGTH OF PROGRAM: 9 week terms TUITION: \$184/hr, \$552/class

SPECIALTY COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
SFTY 311	Fundamentals of Occupational Safety & Health	3
SFTY 315	Environmental Compliance & Safety	3
SFTY 321	Ergonomics	3
SFTY 355	Industrial Hygiene & Toxicology	3
SFTY 360	Construction Safety	3
SFTY 365	Fire Protection	3
SFTY 410	Design of Engineering Hazard Controls	3
	OR	
SFTY 420	Systems Design for Fire and Life Safety	3
SFTY 470	Advanced Occupational Safety and Health Technology	3
	Occupational Safety & Health Specialty	15
	Choose five courses from the above list	

SPECIALTY COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Business Core Classes	33
	Management Electives	12
	Open Electives (Upper-Level)	9
	Open Electives (Lower-Level)	9
	Program Support	6
	***See Att. A for additional program requirements and	
	courses list	

GENERAL EDUCATION / LIBERAL ARTS COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Communication Theory and Skills	6
ENGL 123	English Composition	3
	Mathematics	6
	Computer Science	3
	Physical and Life Sciences- Physics required	6
	Humanities- Lower-level course	3
	Social Sciences- Lower level course- Psychology required	3
ECON 210	Microeconomics	3
	Humanities/Social Sciences- Upper-level course	3
	Total General Education	36

Number of Credit/Clock Hrs. in Specialty: 15 / 120 Percentage: 12.5%
Number of Credit/Clock Hrs. in General Courses: 36 / 120 Percentage: 30%

If applicable:

Number of Credit/Clock Hrs. in Liberal Arts: / Percentage:

III. LIBRARY: Please provide information pertaining to the library located in your institution.

1. Location of library; Hours of student access; Part-time, full-time librarian/staff:

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2. Number of volumes of professional material:

The Hunt Library holds approximately 97,000 volumes.

3. Number of professional periodicals subscribed to:

The Hunt Library subscribes to over 850 current periodicals in print, and another 5000+ titles are available through the library's electronic subscriptions

4. Other library facilities in close geographical proximity for student access:
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If you have any questions pertaining to the required standards for degree granting approval, please refer to 570 IAC 10.

Doc.: degreappform.doc

**** Include all required documentation pertaining to the qualifications of each instructor.**

Total # of Faculty in the Program: 13 **Full-time:** **Part-time:** 13

Fill out form below: (PLEASE LIST NAMES IN ALPHABETICAL ORDER.)

[illegible]

Bachelor of Science in Technical Management – *Specializations*

Occupational Safety and Health Specialty

Creating and maintaining a safe work environment and protecting workers from hazards has become a critical issue in nearly every industry. The Occupational Safety and Health Specialty was developed to prepare students for supervisory or management positions relating to occupational safety and health in environmental compliance, ergonomics, industrial hygiene and toxicology, construction, fire protection and systems design. This program is geared toward students who are seeking new opportunities in the public or private sector such as service or manufacturing industries, local, state, or federal agencies, and the military.

To earn the Technical Management degree with an Occupational Safety & Health Specialization, degree-seeking students must complete the program support, business core and management electives, as listed below, as well as the specified upper-level open elective requirements for this specialization.

Requirements:

Course:	Title:	Credits:
SFTY 311	Fundamentals of Occupational Safety and Health	3
SFTY 315	Environmental Compliance and Safety	3
SFTY 321	Ergonomics	3
SFTY 355	Industrial Hygiene and Toxicology	3
SFTY 360	Construction Safety	3
SFTY 365	Fire Protection	3
SFTY 410	Design of Engineering Hazard Controls or	
SFTY 420	Systems Design for Fire and Life Safety	3
SFTY 470	Advanced Occupational Safety and Health Technology	3

Occupational Safety and Health Specialty 15

General Education*:

Communication Theory and Skills	9
Mathematics	6

Computer Science	3
Physical and Life Sciences	6
<i>(This Specialty requires Physics)</i>	
Humanities – Lower-level courses	3
Social Sciences – Lower-level courses	3
<i>(This Specialty requires Psychology)</i>	
ECON 210 Microeconomics	3
Humanities/Social Science – Upper-level	3
Total Credits	36

***Embry-Riddle courses in the general education categories of Communication Theory and Skills, and Humanities and Social Sciences may be chosen from those listed above, assuming prerequisite requirements are met. Courses from other institutions are acceptable if they fall into these broad categories and are at the level specified.**

Program Support:

Course:	Title:	Credits:
ECON 211	Macroeconomics	3
MATH 211	Statistics with Aviation Applications or	
MATH 222	Business Statistics	3
Total Credits:		6

Business Core:

Course:	Title:	Credits:
MGMT 201	Principles of Management	3
MGMT 210	Financial Accounting	3
MGMT 221	Advanced Computer Based Systems	3
MGMT 311	Marketing	3
MGMT 312	Managerial Accounting	3
MGMT 314	Human Resource Management	3
MGMT 317	Organizational Behavior	3
MGMT 320	Business Information Systems	3
MGMT 325	Social Responsibility and Ethics in Management	3

MGMT 335	International Business	3
MGMT 390	Business Law	3

Total Credits: 33

Management Electives:

Course:	Title:	Credits:
MGMT 420	Management of Production and Operations	3
SFTY 341	Occupational Safety and Health Program Management	3
SFTY 440	System Safety Management	3
SFTY 450	Loss Control and Insurance	3

Total Credits: 12

Open Electives (Upper-Level): 9
300-400 Level Courses

Open Electives (Lower-Level) 9

Total Degree Requirements: 120

BSTM- OSHA

Credits

Communication Theory & Skills

ENGL 123	English Composition	3
ENGL 143	Studies in Rhetorical Theory	3
ENGL 221	Technical Report Writing	3
ENGL 222	Business Communication	3
ENGL 335	Creative Writing	3

Mathematics

MATH 005	Quantitative Skills	3
MATH 006	Intermediate Algebra	3
MATH 106	Basic Algebra and Trigonometry	3
MATH 111	College Mathematics for Aviation I	3
MATH 112	College Mathematics for Aviation II	3
MATH 120	Quantitative Methods I	3
MATH 140	College Algebra	3
MATH 142	Trigonometry	3
MATH 145	College Algebra and Trigonometry	3
MATH 220	Quantitative Methods II	3
MATH 250	Calculus and Analytic Geometry I	3
MATH 251	Calculus and Analytic Geometry II	3
MATH 252	Calculus and Analytic Geometry III	3
MATH 253	Calculus and Analytic Geometry IV	3
MATH 320	Decision Math	3
MATH 345	Differential Equations and Matrix Methods	

Computer Science

CSCI 109	Introduction to Computers and Applications	3
CSCI 210	Scientific Programming	3
CSCI 299, 399, 499	Special topics in Computer Science	1-6

Physical and Life Sciences

BIOL 107	Elements of Biological Science	3
PHYS 102	Explorations in Physics	3
PHYS 142	Introduction to Environmental Science	3
PHYS 150	Physics I for Engineers	3
PHYS 160	Physics II for Engineers	3
PHYS 201	Meteorology	3

PHYS 250	Physics III for Engineers	3
PHYS 301	Astronomy	3
PHYS 302	Evolution of Scientific Thought	3
PHYS 304	Environmental Science	3
PHYS 352	Meteorology II	3
PHYS 199, 299, 399, 499	Special topics in Physical Science	1-4

Humanities

HUMN 140	Western Humanities I: Antiquity and the Middle Ages	3
HUMN 141	Western Humanities II: Renaissance to Postmodern	3
HUMN 142	Studies in Literature	3
HUMN 300	World Literature	3
HUMN 310	American Literature	3
HUMN 325	Exploring Film	3
HUMN 330	Values and Ethics	3
HUMN 299, 399, 499	Special Topics in Humanities	1-6

Social Sciences

ECON 399, 499	Special Topics in Economics	1-4
GOVT 320	American National Government	3
GOVT 325	International Studies	3
GOVT 331	Current Issues in America	3
GOVT 340	American Foreign Policy	3
GOVT 363	Inter-American Relations	3
GOVT 401	American Constitutional Law	3
GOVT 402	International Politics	3
HIST 110	World History	3
HIST 130	History of Aviation in America	3
HIST302	Evolution of Scientific Thought	3
HIST 305	American Military History	3
PSYC 220	Introduction to Psychology	3
PSYC 320	Aviation Psychology	3
PSYC 350	Social Psychology	3
PSYC 400	Introduction to Cognitive Science	3
SOCI 210	Introduction to Sociology	3
SOCI 300	Marriage and Family	3
SOCI 310	Personality Development	3
SOCI 299, 399,499	Special Topics in the Social Sciences	1-6

INDIANA COMMISSION ON
PROPRIETARY EDUCATION

DEGREE APPLICATION

(New or Renewal program)

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution Embry-Riddle Aeronautical University

Name of Program BS in Technical Management- Professional Valuations Specialty

Level of Degree (AAS, AS, AA, BAS, BA, BS, MBA, MAS, MA, MS, Ph.D.) BS

Name of Person Preparing this Form Ashley M. Bischoff

Telephone Number (317)487-6281 Application Type

Date the Form was Prepared July 6, 2006 ☒ New ☐ Renewal

I. PROGRAM OBJECTIVES: Describe what the program is designed to achieve and explain how it is structured in order to accomplish the objectives.

The BSTM Professional Valuations Specialty degree program is designed to prepare students for the Professional Valuations career approved by the American Society of Appraisers (ASA). Graduates of this specialty will have learned the skills necessary to supervise or manage professional valuations in the areas of aerospace business, aviation machinery and equipment, and income property. To earn the Technical Management degree with a Professional Valuations Specialization, degree-seeking students must complete the degree requirements from the management courses as specified. These courses, approved by the ASA, provide a basic set of elements required to qualify as an Accredited Member of the Society.

II. PROGRAM STRUCTURE: List all courses in the program. Indicate course name, number, and number of credit hours or clock hours for each course.

NAME OF PROGRAM: BS in Technical Management- Professional Valuations Specialty

TOTAL COURSE HOURS: 120 Check one: Quarter Hours ☐ ☒ Semester Hours

Semester Hours 

Clock Hours

LENGTH OF PROGRAM: 9 week terms TUITION: \$184/hr, \$552/class

SPECIALTY COURSES:

[illegible]

SPECIALTY COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Business Core Classes	33
	Management Electives	12
	Open Electives (Upper-Level)	9
	Open Electives (Lower-Level)	9
	Program Support	6
	***See Attachment A for additional program requirements	
	and courses list	

GENERAL EDUCATION / LIBERAL ARTS COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Communication Theory and Skills	6
ENGL 123	English Composition	3
	Mathematics	6
	Computer Science	3
	Physical and Life Sciences	6
	Humanities- Lower-level course	3
	Social Sciences- Lower level course	3
ECON 210	Microeconomics	3
	Humanities/Social Science- Upper-level	3
	Total General Education	36

Number of Credit/Clock Hrs. in Specialty: 15 / 120 Percentage: 12.5%
Number of Credit/Clock Hrs. in General Courses: 36 / 120 Percentage: 30%

If applicable:

Number of Credit/Clock Hrs. in Liberal Arts: / Percentage:

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1. Location of library; Hours of student access; Part-time, full-time librarian/staff:

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2. Number of volumes of professional material:

The Hunt Library holds approximately 97,000 volumes.

3. Number of professional periodicals subscribed to:

The Hunt Library subscribes to over 850 current periodicals in print, and another 5000+ titles are available through the library's electronic subscriptions

4. Other library facilities in close geographical proximity for student access:

INDIANAPOLIS-MARION COUNTY PUBLIC LIBRARY

<http://www.imcpl.lib.in.us>

Visit <http://www.imcpl.org/about/locations/index.html> for a listing of locations

If you have any questions pertaining to the required standards for degree granting approval, please refer to 570 IAC 10.

Doc.: degreappform.doc

**** Include all required documentation pertaining to the qualifications of each instructor.**

Total # of Faculty in the Program: 13 **Full-time:** **Part-time:** 13

Fill out form below: (PLEASE LIST NAMES IN ALPHABETICAL ORDER.)

[illegible]

Bachelor of Science in Technical Management – *Specializations*

Professional Valuations Specialty
(not offered through Distance Learning)

Individuals who possess specific professional skills have a natural advantage in today's hotly contested job market. Embry-Riddle Aeronautical University's Professional Valuations Specialty is designed to prepare students in the Technical Management degree program for the Professional Valuations career approved by the American Society of Appraisers (ASA). Graduates of this specialty will have learned the skills necessary to supervise or manage professional valuations in the areas of aerospace business, aviation machinery and equipment, and income property.

To earn the Technical Management degree with a Professional Valuations Specialization, degree-seeking students must complete the degree requirements from the management courses listed below. These courses, approved by the ASA, provide a basic set of elements required to qualify as an Accredited Member of the Society.

Requirements:

Course:	Title:	Credits:
MGMT 340	Principles in Aerospace Business Valuations	3
MGMT 413	Aviation Machinery and Equipment Valuations	3
MGMT 423	Aviation Machinery and Equipment Methodology	3
MGMT 433	Advanced Topics in Machinery and Equipment Valuation	3
MGMT 443	Applications in Income Property Valuation	3
Professional Valuations Specialty		15

General Education*:

Communication Theory and Skills	9
Mathematics	6
Computer Science	3
Physical and Life Sciences	6
Humanities – Lower-level courses	3
Social Sciences – Lower-level courses	3

ECON 210 Microeconomics	3
Humanities/Social Science – Upper-level	3
Total Credits	36

***Embry-Riddle courses in the general education categories of Communication Theory and Skills, and Humanities and Social Sciences may be chosen from those listed above, assuming prerequisite requirements are met. Courses from other institutions are acceptable if they fall into these broad categories and are at the level specified.**

Program Support:

Course:	Title:	Credits:
ECON 211	Macroeconomics	3
MATH 211	Statistics with Aviation Applications or	
MATH 222	Business Statistics	3
Total Credits:		6

Business Core:

Course:	Title:	Credits:
MGMT 201	Principles of Management	3
MGMT 210	Financial Accounting	3
MGMT 221	Advanced Computer Based Systems	3
MGMT 311	Marketing	3
MGMT 312	Managerial Accounting	3
MGMT 314	Human Resource Management	3
MGMT 317	Organizational Behavior	3
MGMT 320	Business Information Systems	3
MGMT 325	Social Responsibility and Ethics in Management	3
MGMT 335	International Business	3
MGMT 390	Business Law	3
Total Credits:		33

Management Electives:

Management Electives:	12
300-400 upper-level Management courses	
Open Electives (Upper-Level)	9
300-400 Level courses	
Open Electives (Lower-Level)	9
Total Degree Requirements	120

BSTM- Professional Valuations

Credits

Communication Theory & Skills

ENGL 123	English Composition	3
ENGL 143	Studies in Rhetorical Theory	3
ENGL 221	Technical Report Writing	3
ENGL 222	Business Communication	3
ENGL 335	Creative Writing	3

Mathematics

MATH 005	Quantitative Skills	3
MATH 006	Intermediate Algebra	3
MATH 106	Basic Algebra and Trigonometry	3
MATH 111	College Mathematics for Aviation I	3
MATH 112	College Mathematics for Aviation II	3
MATH 120	Quantitative Methods I	3
MATH 140	College Algebra	3
MATH 142	Trigonometry	3
MATH 145	College Algebra and Trigonometry	3
MATH 220	Quantitative Methods II	3
MATH 250	Calculus and Analytic Geometry I	3
MATH 251	Calculus and Analytic Geometry II	3
MATH 252	Calculus and Analytic Geometry III	3
MATH 253	Calculus and Analytic Geometry IV	3
MATH 320	Decision Math	3
MATH 345	Differential Equations and Matrix Methods	

Computer Science

CSCI 109	Introduction to Computers and Applications	3
CSCI 210	Scientific Programming	3
CSCI 299, 399, 499	Special topics in Computer Science	1-6

Physical and Life Sciences

BIOL 107	Elements of Biological Science	3
PHYS 102	Explorations in Physics	3
PHYS 142	Introduction to Environmental Science	3
PHYS 150	Physics I for Engineers	3
PHYS 160	Physics II for Engineers	3
PHYS 201	Meteorology	3

PHYS 250	Physics III for Engineers	3
PHYS 301	Astronomy	3
PHYS 302	Evolution of Scientific Thought	3
PHYS 304	Environmental Science	3
PHYS 352	Meteorology II	3
PHYS 199, 299, 399, 499	Special topics in Physical Science	1-4

Humanities

HUMN 140	Western Humanities I: Antiquity and the Middle Ages	3
HUMN 141	Western Humanities II: Renaissance to Postmodern	3
HUMN 142	Studies in Literature	3
HUMN 300	World Literature	3
HUMN 310	American Literature	3
HUMN 325	Exploring Film	3
HUMN 330	Values and Ethics	3
HUMN 299, 399, 499	Special Topics in Humanities	1-6

Management

MGMT 308	Public Administration	3
MGMT 321	Aviation/Aerospace Systems Analysis Methods	3
MGMT 322	Aviation Insurance	3
MGMT 324	Aviation Labor Relations	3
MGMT 331	Transportation Principles	3
MGMT 332	Corporate Finance I	3
MGMT 333	Personal financial Planning	3
MGMT 405	General Aviation Marketing	3
MGMT 406	Strategic Management of Technical Operations	3
MGMT 408	Airport Management	3
MGMT410	Management of Air Cargo	3
MGMT 411	Logistics Management for Aviation/Aerospace	3
MGMT 412	Airport Planning and Design Standards	3
MGMT415	Airline Management	3
MGMT 418	Airport Administration and Finance	3
MGMT 419	Aviation Maintenance Management	3
MGMT 420	Management of Production and Operations	3
MGMT 421	Small Business Management	3
MGMT 422	Life Cycle Analysis for Systems and Programs in Aviation/Aerospace	3
MGMT 424	Project Management in Aviation Operations	3
MGMT 425	Trends and Current Problems in Air Transportation	3
MGMT 426	International Aviation Management	3
MGMT 427	Management of the Multicultural Workforce	3

MGMT 436	Strategic Management	3
MGMT 440	Advanced Professional Logistics	3
MGMT 449	Strategic Marketing Management	3
MGMT 450	Airline/Airport Marketing	3
MGMT 299, 399, 499	Special Topics in Management	1-4

Social Sciences

ECON 315	Managerial Economics	3
ECON 420	Economics of air Transportation	3
ECON 399, 499	Special Topics in Economics	1-4
GOVT 320	American National Government	3
GOVT 325	International Studies	3
GOVT 331	Current Issues in America	3
GOVT 340	American Foreign Policy	3
GOVT 363	Inter-American Relations	3
GOVT 401	American Constitutional Law	3
GOVT 402	International Politics	3
HIST 110	World History	3
HIST 130	History of Aviation in America	3
HIST302	Evolution of Scientific Thought	3
HIST 305	American Military History	3
PSYC 220	Introduction to Psychology	3
PSYC 320	Aviation Psychology	3
PSYC 350	Social Psychology	3
PSYC 400	Introduction to Cognitive Science	3
SOCI 210	Introduction to Sociology	3
SOCI 300	Marriage and Family	3
SOCI 310	Personality Development	3
SOCI 299, 399,499	Special Topics in the Social Sciences	1-6

INDIANA COMMISSION ON
PROPRIETARY EDUCATION

DEGREE APPLICATION

(New or Renewal program)

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution Embry-Riddle Aeronautical University

Name of Program Aviation Maintenance Management

Level of Degree (AAS, AS, AA, BAS, BA, BS, MBA, MAS, MA, MS, Ph.D.) BS

Name of Person Preparing this Form Ashley M. Bischoff

Telephone Number (317) 487-6281 **Application Type**

Date the Form was Prepared June 1, 2006 ☒ New ☐ Renewal

I. PROGRAM OBJECTIVES: Describe what the program is designed to achieve and explain how it is structured in order to accomplish the objectives.

The program is designed to offer a Bachelor of Science degree to people who are already working in the aircraft maintenance field that are seeking advancement. The BSAMM encompassed the Airframe & Powerplant Maintenance Certificate. Once students have earned the certificate, they are more than a quarter through the BSAMM. The BSAMM offers a comprehensive business foundation that complements the FAA Certificate. The BSAMM program exposes students to the entire realm of principles that go into successful management, including; Aviation Labor Relations, Operations and Productions, Logistics, and Finance. Additionally, students will receive a solid core of courses in general education. The curriculum is designed to prepare graduates for success in any industry, not just aviation.

II. PROGRAM STRUCTURE: List all courses in the program. Indicate course name, number, and number of credit hours or clock hours for each course.

NAME OF PROGRAM: Bachelor of Science in Aviation Maintenance Management

TOTAL COURSE HOURS: 126 Check one: Quarter Hours ☐ ☒ Semester Hours

Semester Hours ☐

Clock Hours

LENGTH OF PROGRAM: 9 week terms TUITION: \$184/hr, \$552/class

SPECIALTY COURSES:

Course Number	Course Title	Course Hours
	Airframe & Powerplant Maintenance Certificate	36
	(OR)	
	Aviation Maintenance Technology	
AMNT 240	General Aeronautics and Applications	3
AMNT 260	Aircraft Electrical Systems Theory	3
AMNT 270	Airframe Structures and Applications	4
AMNT 271	Airframe Systems and Applications	3
AMNT 280	Powerplant Theory and Applications	4
AMNT 281	Aircraft Propulsion Systems and Applications	4
Electives:	Aviation Maintenance, Aeronautical Science, Avionics	15
	Technology, Management, Computer Science, Electrical	
	Engineering, Technology, (OR)	
AMNT 275	Aircraft Maintenance Practicum and Applications	
AMNT 285	Advanced Aircraft Maintenance Practicum	
	Total Core Credits	36

SPECIALTY COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Business Core Classes	48
	Program Support	6
	***See Attachment A for additional program requirements	
	and courses list	

GENERAL EDUCATION / LIBERAL ARTS COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Communication Theory and Skills	6
ENGL 123	English Composition	3
	Mathematics	6
	Computer Science	3
	Physical and Life Sciences	6
	Humanities- Lower-level course	3
	Social Sciences- Lower level course	3
ECON 210	Microeconomics (OR)	3
ECON 211	Macroeconomics	3
	Humanities/Social Sciences- Upper-level course	3
	Total General Education	36

Number of Credit/Clock Hrs. in Specialty: 36 / 126 Percentage: 28%
Number of Credit/Clock Hrs. in General Courses: 36 / 126 Percentage: 28%

If applicable:

Number of Credit/Clock Hrs. in Liberal Arts: / Percentage:

III. LIBRARY: Please provide information pertaining to the library located in your institution.

1. Location of library; Hours of student access; Part-time, full-time librarian/staff:

Jack R. Hunt Library located in Daytona Beach, FL on the Daytona Beach Campus of Embry-Riddle Aeronautical University is available to all Extended Campus Centers on-line. Members of the Embry-Riddle Aeronautical University community have access to the library and staff 24 hours a day, seven days a week. The Hunt Library has 18 full-time librarians and 18 full time staff members.

2. Number of volumes of professional material:

The Hunt Library holds approximately 97,000 volumes.

3. Number of professional periodicals subscribed to:

The Hunt Library subscribes to over 850 current periodicals in print, and another 5000+ titles are available through the library's electronic subscriptions

4. Other library facilities in close geographical proximity for student access:

INDIANAPOLIS-MARION COUNTY PUBLIC LIBRARY

<http://www.imcpl.lib.in.us>

Visit <http://www.imcpl.org/about/locations/index.html> for a listing of locations

If you have any questions pertaining to the required standards for degree granting approval, please refer to 570 IAC 10.

Doc.: degreappform.doc

**** Include all required documentation pertaining to the qualifications of each instructor.**

Total # of Faculty in the Program: 13 **Full-time:** **Part-time:** 13

Fill out form below: (PLEASE LIST NAMES IN ALPHABETICAL ORDER.)

[illegible]

Attachment A

Aviation Maintenance Management

Bachelor of Science

Degree Requirements:

Course:	Title:	Credits:
Airframe and Powerplant Maintenance Certificate		36
(OR)		
Aviation Maintenance Technology		
AMNT 240	General Aeronautics and Applications	3
AMNT 260	Aircraft Electrical Systems Theory	3
AMNT 270	Airframe Structures and Applications	4
AMNT 271	Airframe Systems and Applications	3
AMNT 280	Powerplant Theory and Applications	4
AMNT 281	Aircraft Propulsion Systems and Applications	4
Electives:	Aviation Maintenance, Aeronautical Science, Avionics Technology, Management, Computer Science, Electrical Engineering Technology, (OR)	
AMNT 275	Aircraft Maintenance Practicum and Applications	
AMNT 285	Advanced Aircraft Maintenance Practicum	15
Total Credits:		36

General Education*:

Communication Theory and Skills	9
Mathematics	6
Computer Science	3
Physical and Life Sciences	6

Humanities Lower-level course	3
Social Sciences Lower-level courses; (one course must include economics)	6
Humanities / Social Sciences Upper-level course	3

Total Credits: 36

*Embry-Riddle courses in the general education categories of Communication Theory and Skills, and Humanities and Social Sciences may be chosen from those listed above, assuming prerequisite requirements are met. Courses from other institutions are acceptable if they fall into these broad categories and are at the level specified.

Program Support:

Course:	Title:	Credits:
MATH 211	Statistics with Aviation Applications	
	(or)	
MATH 222	Business Statistics	3
MATH 320	Decision Math	3
Total Credits:		6

Business Core:

Course:	Title:	Credits:
MGMT 201	Principles of Management	3
MGMT 210	Financial Accounting	3
MGMT 212	Advanced Financial Accounting	3
MGMT 221	Advanced Computer Based Systems	3
MGMT 311	Marketing	3
MGMT 312	Managerial Accounting	3
MGMT 314	Human Resource Management	
	(or)	
MGMT 317	Organizational Behavior	3
MGMT 320	Business Information Systems	3
MGMT 324	Aviation Labor Relations	3

MGMT 325	Social Responsibility and Ethics in Management	3
MGMT 332	Corporate Finance I	3
MGMT 390	Business Law	3
ASCI 419	Aviation Maintenance Management	3
MGMT 420	Management of Production and Operations	3
MGMT 422	Life Cycle Analysis for Systems and Programs in Aviation/Aerospace	3
ECON 315	Managerial Economics	3

Total Credits: 48

Total Degree Requirements: 126

BSAMM Courses

Credits

Communication Theory & Skills

ENGL 123	English Composition	3
ENGL 143	Studies in Rhetorical Theory	3
ENGL 221	Technical Report Writing	3
ENGL 222	Business Communication	3
ENGL 335	Creative Writing	3

Computer Science

CSCI 109	Introduction to Computers and Applications	3
CSCI 210	Scientific Programming	3
CSCI 299, 399, 499	Special topics in Computer Science	1-6

Physical and Life Sciences

BIOL 107	Elements of Biological Science	3
PHYS 102	Explorations in Physics	3
PHYS 142	Introduction to Environmental Science	3
PHYS 150	Physics I for Engineers	3
PHYS 160	Physics II for Engineers	3
PHYS 201	Meteorology	3
PHYS 250	Physics III for Engineers	3
PHYS 301	Astronomy	3
PHYS 302	Evolution of Scientific Thought	3
PHYS 304	Environmental Science	3
PHYS 352	Meteorology II	3
PHYS 199, 299, 399, 499	Special topics in Physical Science	1-4

Humanities

HUMN 140	Western Humanities I: Antiquity and the Middle Ages	3
HUMN 141	Western Humanities II: Renaissance to Postmodern	3
HUMN 142	Studies in Literature	3
HUMN 300	World Literature	3
HUMN 310	American Literature	3
HUMN 325	Exploring Film	3
HUMN 330	Values and Ethics	3
HUMN 299, 399, 499	Special Topics in Humanities	1-6

Social Sciences

ECON 210	Microeconomics	3
ECON 211	Macroeconomics	3
ECON 420	Economics of Air Transportation	3
ECON 399, 499	Special Topics in Economics	1-4
GOVT 320	American National Government	3
GOVT 325	International Studies	3
GOVT 331	Current Issues in America	3
GOVT 340	American Foreign Policy	3
GOVT 363	Inter-American Relations	3
GOVT 401	American Constitutional Law	3
GOVT 402	International Politics	3
HIST 110	World History	3
HIST 130	History of Aviation in America	3
HIST302	Evolution of Scientific Thought	3
HIST 305	American Military History	3
PSYC 220	Introduction to Psychology	3
PSYC 320	Aviation Psychology	3
PSYC 350	Social Psychology	3
PSYC 400	Introduction to Cognitive Science	3
SOCI 210	Introduction to Sociology	3
SOCI 300	Marriage and Family	3
SOCI 310	Personality Development	3
SOCI 299, 399,499	Special Topics in the Social Sciences	1-6

INDIANA COMMISSION ON
PROPRIETARY EDUCATION

DEGREE APPLICATION

(New or Renewal program)

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution Embry-Riddle Aeronautical University

Name of Program Master of Science in Management

Level of Degree (AAS, AS, AA, BAS, BA, BS, MBA, MAS, MA, MS, Ph.D.) MS

Name of Person Preparing this Form Ashley M. Bischoff

Telephone Number (317) 487-6281 Application Type

Date the Form was Prepared June 1, 2006 ☒ New ☐ Renewal

I. PROGRAM OBJECTIVES: Describe what the program is designed to achieve and explain how it is structured in order to accomplish the objectives.

The Master of Science in Management degree program is designed to produce graduates that are leaders in their organizations, handling day-to-day planning, managing employees and directing important projects. The program offers greater emphasis on operations than a traditional MBA, equipping graduates with practical knowledge that will help them move ahead of their peers. As part of the course requirements for the MSM, students choose from one of five areas of specializations, tailored to their background and interests: Management of Integrated Logistics, Air Transportation Management, Aviation/Aerospace Industrial Management, Aviation Enterprises in the Global Environment, and General Management. The degree program also requires students to take a core of management courses as well as completing a Graduate Capstone Project, similar to a thesis.

II. PROGRAM STRUCTURE: List all courses in the program. Indicate course name, number, and number of credit hours or clock hours for each course.

NAME OF PROGRAM: Master of Science in Management

TOTAL COURSE HOURS: 36 Check one: Quarter Hours ☐ ☒ Semester Hours

Semester Hours ☐

Clock Hours

LENGTH OF PROGRAM: 9 week terms TUITION: \$307/hr, \$921/class

SPECIALTY COURSES:

[illegible]

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
Specializations	Air Transportation Management	
	Aviation/Aerospace Industrial Management	
	Aviation Enterprises in the Global Environment	
	Management of Integrated Logistics	
	General Management Option	
	Total Credits in Specialization	12
	***See Att. A for required courses for specializations	

[illegible]

If applicable:
Number of Credit/Clock Hrs. in Liberal Arts: _____ / _____ Percentage: _____

III. LIBRARY: Please provide information pertaining to the library located in your institution.

1. Location of library; Hours of student access; Part-time, full-time librarian/staff:

Jack R. Hunt Library located in Daytona Beach, FL on the Daytona Beach Campus of Embry-Riddle Aeronautical University is available to all Extended Campus Centers on-line. Members of the Embry-Riddle Aeronautical University community have access to the library and staff 24 hours a day, seven days a week. The Hunt Library has 18 full-time librarians and 18 full time staff members.

2. Number of volumes of professional material:

The Hunt Library holds approximately 97,000 volumes.

3. Number of professional periodicals subscribed to:

The Hunt Library subscribes to over 850 current periodicals in print, and another 5000+ titles are available through the library's electronic subscriptions

4. Other library facilities in close geographical proximity for student access:

INDIANAPOLIS-MARION COUNTY PUBLIC LIBRARY

<http://www.imcpl.lib.in.us>

Visit <http://www.imcpl.org/about/locations/index.html> for a listing of locations

If you have any questions pertaining to the required standards for degree granting approval, please refer to 570 IAC 10.

Doc.: degreappform.doc

**** Include all required documentation pertaining to the qualifications of each instructor.**

Total # of Faculty in the Program: 1 **Full-time:** **Part-time:** 1

Fill out form below: (PLEASE LIST NAMES IN ALPHABETICAL ORDER.)

[illegible]

Attachment A

Master of Science in Management

Degree Requirements:

Management Core

Course:	Title:	Credits:
MGMT 531	Structure and Application of Analytical Decision Processes I	3
MGMT 532	Philosophy, Principles, and Practices in Management of Quality	3
MGMT 533	Legal, Ethical, and Regulatory Bases of Management Practices	3
MGMT 534	Anatomy of Work Organizations	3
MGMT 535	Theory and Application of Managerial Communications	3
MGMT 605	Methods and Procedures for the Graduate Capstone Project	3
MGMT 631	Structure and Application of Analytical Decision Processes II	3
MGMT 633	Principles and Practices of Financial Accounting and Control for Managers	3
Core Credits:		24

Areas of Specialization:

Choose at least one of the five Specializations, which includes the Graduate Capstone Project.

- Air Transportation Management
- Aviation/Aerospace Industrial Management
- Aviation Enterprises in the Global Environment
- Management of Integrated Logistics
- General Management Option

Specialized Credits: 12

Total Degree Requirements: 36

Specialization 1 - Air Transportation Management

Course:	Title:	Credits:
MGMT 641	Airport Management	3
MGMT 642	Air Carrier, Passenger, and Cargo Management	3
MGMT 643	Labor Issues in Air Transportation	3
MGMT 644	Graduate Capstone Project, Air Transportation Management	3

Specialization 2 - Aviation / Aerospace Industrial Management

Course:	Title:	Credits:
MGMT 651	Production & Procurement in Aviation and Aerospace Industries	3
MGMT 652	Concepts and Practices of Project Management	3
MGMT 653	Labor Issues in the Industrial Environment	3
MGMT 654	Graduate Capstone Project, Aviation/Aerospace Industrial Management	3

Specialization 3 - Aviation Enterprises in the Global Environment

Course:	Title:	Credits:
MGMT 671	Entrepreneurship and Leadership	3
MGMT 672	Planning and Execution of Strategy	3
MGMT 673	Global Economic Analysis	3
MGMT 674	Graduate Capstone Project, Aviation Enterprises in the Global Environment	3

Specialization 4 - Management of Integrated Logistics

Course:	Title:	Credits:
MGMT 681	Principles & Application of Logistical Science	3
MGMT 682	Concepts of Integrated Logistics	3
MGMT 683	Supply Chain Management	3

MGMT 684	Graduate Capstone Project, Management of Integrated Logistics	3
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Specialization 5 - **General Management Option**

Course:	Title:	Credits:
	Choose any 3 courses from Specializations 1 through 5	
MGMT 690	Graduate Capstone Project	3